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PROJECT MEMORANDUM
SCE WEST OF DEVERS (WOD) UPGRADE PROJECT

To: Billie Blanchard, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: August 29, 2018
Subject: Monitoring Report #29: August 20 to 26, 2018

Introduction

This report provides a summary of the construction and compliance activities associated with Southern California Edison’s (SCE) West of Devers (WOD) Upgrade Project.

CPUC Environmental Monitor (EM): CPUC EM Jamie Miner was onsite August 21 and 24.

CPUC Notices to Proceed (NTPs)

Table 1 summarizes the NTPs with construction for the WOD Upgrade Project.

Table 1 - NTPs

(Updated 08/29/18)

NTP #	Date Requested	Date Issued	Phase	Description
NTP #1	04/04/17	06/29/17	Material Yards	Construction or use of 10 Material Yards
NTP #2	05/18/17	06/29/17	Substation Upgrades	Upgrades to 5 existing Substations
NTP #3	06/05/17	08/10/17	Distribution, Subtransmission, and Telecom	Construction of the Distribution, Subtransmission, and Telecommunication portions of the Project
NTP #4	07/13/17	09/05/17	Transmission	Transmission Line Construction on private lands
NTP #5	08/07/17	03/29/18	Construction on BLM lands	Transmission Line construction on BLM lands

Construction & Compliance

A summary of construction and compliance activities is provided below by NTP.

Material Yards (NTP #1)

As defined in NTP #1, Project material yards (MY) include:

- Mountain View #1 MY
- Lugonia MY
- Grand Terrace MY
- Poultry MY



- San Timoteo MY
- Beaumont #1 MY
- Beaumont #2 MY
- Matich MY
- Hathaway #2 MY
- Devers MY

CPUC granted authorization for material storage at the Devers MY in early October 2017. This authorization did not include any activities associated with construction or yard improvements, which are not expected to be required for the project.

After verification that preconstruction measures had been fulfilled, CPUC authorization to begin yard preparation work at the Mountain View #1 and Poultry MYs was provided on February 14, 2018, and authorization for the Beaumont #2 MY was granted on March 2, 2018. The preconstruction compliance package for the Matich MY was received April 16, 2018 and authorization to begin yard preparation work was provided on May 1, 2018. The preconstruction compliance package for the Grand Terrace MY was submitted on June 18, 2018. CPUC granted authorization to proceed on June 21, 2018.

Summary of Construction Activity

1. For the currently approved material yards, all activities are being performed by the contractor operating out of each respective yard.
2. The Poultry MY is being utilized by Barnard Construction and Power Grade Incorporated as their primary base of operations and material/equipment storage location. Work associated with the Poultry MY included material/equipment deliveries and general yard maintenance throughout the monitoring period.
3. The Matich MY is being utilized by Barnard Construction primarily for tubular steel pole (TSP) storage. No construction activities occurred at the Matich MY throughout the monitoring period.
4. The Mountain View #1 MY is being utilized by Hot Line Construction as their primary base of operations and materials/equipment storage location. Work associated with the Mountain View #1 MY was limited to material/equipment deliveries and general yard maintenance throughout the monitoring period.
5. The Beaumont #2 MY is being utilized by CJ/Aldridge Drilling as their primary base of operations and material/equipment storage location. Material/equipment deliveries and general yard maintenance occurred at the Beaumont #2 MY throughout the monitoring period.
6. The Grand Terrace MY is being used primarily as a show-up location for project construction crews. No construction activities occurred at the Grand Terrace MY throughout the monitoring period.
7. No project-related activities occurred at the Devers MY throughout the monitoring period.

Environmental Compliance

1. There were no SCE self-reported or CPUC reported incidents documented for construction activities associated with NTP #1 throughout the monitoring period.
2. There were no SWPPP maintenance items or corrective actions associated with NTP #1 recorded during the monitoring period. To date, there are no open SWPPP maintenance items or corrective actions associated with NTP #1.

3. There were no reportable (> 1 gallon) or non-reportable (< 1 gallon) spills associated with NTP #1 identified during the monitoring period.
4. There were no new active nests and no fledged/failed (non-project) nests associated with NTP #1 reported during the monitoring period. To date, there are no active nests located within work areas associated with NTP #1. If required, nest buffers for non-special-status bird species will be implemented by SCE per the requirements of the Project Nesting Bird Management Plan (NBMP). There were no approved buffer reductions for non-special-status species for work areas associated with NTP #1 recorded during the monitoring period. If required, removal of inactive non-special-status bird species' nests is being implemented per the requirements of the Project NBMP. There were no such nests removed from work areas associated with NTP #1 recorded during the monitoring period.
5. No special-status species were observed or identified at locations associated with NTP #1 during the monitoring period.

Substations (NTP #2)

Five substations are identified for improvements in NTP #2. These include:

- Etiwanda Substation
- San Bernardino Substation
- Vista Substation
- El Casco Substation
- Devers Substation

The preconstruction packages for the Etiwanda, Vista, and Devers Substations were submitted by SCE on July 23, 2018. CPUC authorization for each of these substation was granted on July 26, 2018.

Summary of Construction Activity

1. For the currently approved substation components, all work is being conducted by SCE crews.
2. Work associated with the San Bernardino Substation upgrades included installation of control cable and connecting control cable inside the MEER building.
3. Work associated with the El Casco Substation included closing disconnect switches at Positions #1 and #7.
4. No construction activities associated with the Etiwanda Substation occurred throughout the monitoring period.
5. No construction activities associated with the Vista Substation occurred throughout the monitoring period.
6. No construction activities associated with the Devers Substation occurred throughout the monitoring period.

Environmental Compliance

1. There were no SCE self-reported or CPUC incidents documented for construction activities associated with NTP #2 throughout the monitoring period.
2. There were no SWPPP maintenance items or corrective actions associated with NTP #2 recorded during the monitoring period. To date, there are no open SWPPP maintenance items or corrective actions associated with NTP #2.

3. There were no reportable (> 1 gallon) or non-reportable (< 1 gallon) spills associated with NTP #2 identified during the monitoring period.
4. There were no new active nests and no fledged/failed (non-project) nests associated with NTP #2 reported during the monitoring period. To date, there are no active nests located within work areas associated with NTP #2. If required, nest buffers for non-special-status bird species will be implemented by SCE per the requirements of the NBMP. There were no approved buffer reductions for non-special-status species for work areas associated with NTP #2 recorded during the reporting period. If required, removal of inactive non-special-status bird species' nests is being implemented per the requirements of the Project NBMP. There were 14 such nests removed from work areas associated with NTP #2 recorded during the monitoring period.
5. No special-status species were observed or identified at locations associated with NTP #2 during the monitoring period.

Distribution, Subtransmission, and Telecommunication Work (NTP #3)

As defined in NTP #3, distribution improvements consist of three work packages. These include:

- Dental 12-kV Distribution Circuit (Dental Circuit)
- Intern 12-kV Distribution Circuit Underbuild (Intern Circuit)
- Reconductor on Juanita Street (Juanita Reconductor)

As defined in NTP #3, subtransmission improvements consist of three work packages. These include:

- Removal of San Bernardino–Redlands-Timoteo and the San Bernardino–Redlands-Tennessee 66-kV Lines (Timoteo-Tennessee Removal)
- Relocation of San Bernardino–Redlands-Timoteo 66-kV Lines (Timoteo Relocation)
- Relocation of San Bernardino–Redlands-Tennessee 66-kV Lines (Tennessee Relocation)

As defined in NTP #3, telecommunication improvements consist of six work packages. These include:

- San Bernardino Substation Connection to Redlands Inland Empire District Office (San Bernardino Connection),
- Timoteo-Redlands District Office Fiber Optic Cable Connection (Timoteo-Redlands Connection),
- El Casco Substation Connection to Vista Moreno OPGW (El Casco Connection),
- Maraschino Substation Connection to Devers-Valley OPGW (Maraschino Connection),
- El Casco–Banning Connection to Devers-Vista Skywrap (El Casco–Banning Connection), and
- Banning Substation Connection to Devers-Valley OPGW (Banning Connection).

SCE submitted the preconstruction compliance package associated with work along Smith Creek for the Banning Connection on July 23, 2018. CPUC authorization is was granted on July 26, 2018.

To date, all other telecommunication, distribution, and subtransmission pre-compliance materials associated with NTP #3 have been submitted and approved.

Summary of Construction Activity

1. For the currently approved subtransmission and distribution components, major construction activities are being performed primarily by Hot Line Construction with support from CJ Drilling, Barnard Construction, SCE crews, and Mowbray Tree Service. Work associated with underground telecom components are being conducted by W.A. Rasic Construction.

2. Distribution work associated with the Dental and Intern Circuits included potholing for existing utilities, trenching for underground alignment, installation of underground vaults and conduit, repaving, restoring sidewalks, and repairing curbs and gutters along Mission Road in the City of Loma Linda.
3. Work associated with the Timoteo Relocation subtransmission improvements included trenching for underground alignment, installation of underground conduit and conductor wire, repaving roads, repairing curbs and gutters, and general clean-up.
4. Work associated with the Tennessee Relocation subtransmission improvements included potholing for existing utilities, installation of underground conductor wire, excavating foundations, erection of LWTSPs, tree trimming, installation of overhead conductor wire, and general clean-up.
5. Work associated with the Banning Connection included demobilizing equipment from work areas along Smith Creek.
6. No construction activities associated with the Juanita Reconductor occurred throughout the monitoring period.
7. No construction activities associated with the Timoteo-Tennessee Removal occurred throughout the monitoring period.
8. No construction activities associated with the San Bernardino Connection occurred throughout the monitoring period.
9. No construction activities associated with the Timoteo-Redlands Connection occurred throughout the monitoring period.
10. No construction activities associated with the El Casco Connection occurred throughout the monitoring period.
11. Work associated with the Maraschino Connection telecommunications improvements has been completed.
12. Work associated with the El Casco–Banning Connection telecommunications improvements has been completed.

Environmental Compliance

1. There were no SCE self-reported or CPUC incidents documented for construction activities associated with NTP #3 throughout the monitoring period.
2. During work associated with trenching along the NTP #3 alignment, an unanticipated archeological find was identified. According to SCE, work in the area was immediately halted by the onsite SCE Cultural Monitor and the San Manuel Tribal Monitor. Upon further assessment, and in accordance with the Cultural Resources Management Plan, a work plan for future activities in the immediate area was developed.
3. Due to power loading issues associated with hot weather, line outages in place to perform underground conductor wire installation are being periodically rescheduled to overnight hours. A revised encroachment permit from the City of Redlands, which included approval for overnight work associated with installation of underground cable only, was provided on July 25, 2018.

4. There were no SWPPP maintenance items or corrective actions associated with NTP #3 recorded during the monitoring period. To date, there are no open SWPPP maintenance items or corrective actions associated with NTP #3.
5. There were no reportable (> 1 gallon) or non-reportable (< 1 gallon) spills associated with NTP #3 identified during the monitoring period.
6. There were no new active nests and no fledged/failed nests associated with NTP #3 reported during the monitoring period. To date, there are no active nests located within work areas associated with NTP #3. If required, nest buffers for non-special-status bird species will be implemented by SCE per the requirements of the Project NBMP. There were no approved buffer reductions recorded for non-special-status species for work areas associated with NTP #3 during the reporting period. If required, removal of inactive non-special-status bird species' nests is being implemented per the requirements of the Project NBMP. There were no such nests removed from work areas associated with NTP #3 recorded during the monitoring period.
7. No special-status species were observed or identified at locations associated with NTP #3 during the monitoring period.

Transmission Work (NTP #4)

NTP #4 includes six transmission line segments, identified as Segments 1 through 6, generally moving from west to east.

The preconstruction compliance package for Segment 4 was received May 1, 2018 and authorization was granted on May 4, 2018. The preconstruction package for Segment 3 was received on June 1, 2018. Authorization was granted on June 12, 2018. The preconstruction package for Segment 1 was received on July 6, 2018 and authorization was granted on July 10, 2018. The preconstruction package for Segment 2 was received on July 16, 2018 and approved on July 18, 2018.

Summary of Construction Activity

1. For the currently approved transmission components, Power Grade Incorporated is conducting access road maintenance/stabilization, BMP installation, vegetation removal, and site grading. CJ Drilling is performing foundation drilling and concrete pouring. Mowbray Tree Service is performing tree trimming activities.
2. Work associated with Segment 1 included installation of BMPs and vegetation removal at Sites 1X15-1X18 and 1X19-1X20 (see Photo 1). Grading activities were performed at Site 1X15-1X18.
3. Work associated with Segment 3 included access road maintenance and installing BMPs at Sites 3X19, 3X48, and 3X50. Vegetation removal occurred at Site 3X33. Grading activities were conducted at Sites 3N01, 3X13, 3X16, 3X19, and 3X33.
4. Work associated with Segment 4 included access road maintenance and installing BMPs at Site 4N59. Vegetation removal (including trimming oak trees) was performed at Site 4N59 (see Photo 2). Grading activities were conducted at Sites 4N58, 4S58, 4S59, 4S60, 4N64, and 4N65 (see Photo 3). Foundation drilling was conducted at Sites 4X45, 4X46, and 4N63. Concrete pouring occurred at Sites 4X45, 4X46, and 4N63.

Environmental Compliance

1. There were no SCE self-reported or CPUC reported incidents documented for construction activities associated with NTP #4 throughout the monitoring period.

2. There was one SWPPP maintenance item and no corrective actions associated with NTP #4 recorded during the monitoring period. The maintenance item was identified on August 21 and consisted of minor trackout along Palmer Avenue near Site 4X51. Construction crews were notified and the trackout was removed the same day. To date, there are no open SWPPP maintenance items or corrective actions associated with NTP #4.
3. There was one reportable (> 1 gallon) and one non-reportable (<1 gallon) spill associated with NTP #4 identified during the monitoring period. According to SCE's Spill Report, the reportable spill occurred on August 20 along the unpaved access road between Sites 4N60 and 4N62. This spill consisted of approximately 3 gallons of hydraulic fluid (see Photo 4). Impacted soils were properly contained and staged at Site 4N61 upon further transport to the Beaumont #2 MY for disposal. According to SCE's Spill Report, the non-reportable spill occurred on August 23 at Site 4S60 and consisted of approximately 1 quart of diesel fuel (see Photo 5). Impacted soils were properly contained, removed offsite, and transported to the Poultry MY for disposal.
4. There were no new active nests and no fledged/failed nests associated with NTP #4 identified during the monitoring period. To date, there are two active nests (red-tailed hawk, mourning dove) located within work areas associated with NTP #4. If required, nest buffers for non-special-status bird species will be implemented by SCE per the requirements of the Project NBMP. There were no approved buffer reduction for non-special-status species for work areas associated with NTP #4 recorded during the reporting period. If required, removal of inactive non-special-status bird species' nests is being implemented per the requirements of the Project NBMP. There were no such nests removed from work areas associated with NTP #4 recorded during the monitoring period.
5. Special-status species observed or identified at locations associated with NTP #4 during the monitoring period included Cooper's hawk.

Transmission Work BLM Lands (NTP #5)

NTP #5 includes the portion of one transmission line segment, identified as Segment 6, which traverses properties managed by the Bureau of Land Management (BLM). NTP #5 was approved by BLM on March 29, 2018. To date, no work authorized by NTP #5 has been requested or has occurred.

Temporary Extra Workspaces (TEWS) and Minor Project Refinements (MPRs)

Table 2 summarizes the TEWS and MPRs for the WOD Upgrade Project to date. MPR #19 was approved and MPR #20 was submitted during the subject reporting period.

Table 2 - TEWS & MPRs
(Updated 08/29/18)

TEWS / MPC	Date Requested	Date Issued	Phase	Description
Temporary Extra Workspaces (TEWS)				
TEWS #1	10-12-17	10-19-17	Maraschino Connection	Access to Beaumont Cherry Valley District water hydrant meter located near the intersection of Highland Springs Avenue and Crooked Creek, Beaumont.
TEWS #2	11-13-17	11-21-17	El Casco– Banning Connection	Water source on Oak Valley Boulevard.

TEWS / MPC	Date Requested	Date Issued	Phase	Description
TEWS #3	12-15-17	12-15-17	Banning Connection	Access to existing poles off of Lincoln Street.
TEWS #4	12-18-17	12-18-17	Banning Connection	Access to existing poles off of Wesley Street.
TEWS #5	12-20-17	12-21-17	Banning Connection	Access to existing poles at intersection of Wesley Street and Old Idyllwild Road
TEWS #6	6-13-18	6-13-18	Timoteo Relocation	Extra workspace to facilitate erection of TSP #4696058 at intersection of Redlands Boulevard and Bryn Mawr Street
TEWS #7	7-27-18	7-30-18	Timoteo Relocation	Extra workspace to facilitate wire pulling activities along Research Drive and Almond Avenue
Minor Project Refinements (MPRs)				
MPR #1	11-17-17	11-22-17	Maraschino Connection	Revisions to the amount of new underground telecom construction.
MPR #2	12-13-17	12-15-17	Maraschino Connection	Addition of two vault work areas on Highland Springs Road.
MPR #3	12-21-17	12-28-17	El Casco–Banning Connection	Adjustments to alignment along Oak Valley Parkway
MPR #4	12-27-17	1-3-18	Maraschino/E I Casco–Banning Connections	Continued use of two fire hydrants previously approved as TEWS #1 and TEWS #2
MPR #5	1-16-18	1-22-18	Banning Connection	Continued use of access routes described in TEWS #3, 4, and 5 and temporary access paths through private property along Coyote Trail
MPR #6	2-8-18	2-12-18	Project-wide	Use of 10 water sources to support construction activities
MPR #7	2-23-18	2-28-18	Poultry MY	Temporary water and electrical supply to yard
MPR #8	2-27-18	3-2-18	El Casco Connection/ Segment 1	New telecom splice location and single new steel pole installation
MPR #9	3-26-18	3-27-18	El Casco Connection	Telecom work areas along El Casco Substation access road
MPR #10	4-6-18	4-9-18	Mountain View #1 MY/All subtrans	Additional work spaces at Mountain View #1 MY entry and at subtransmission improvements work areas
MPR #11	5-4-18	5-8-18	Tennessee Relocation	Relocation of 5 subtransmission structures from the east side to the west side of Nevada Street

TEWS / MPC	Date Requested	Date Issued	Phase	Description
MPR #12	5-14-18	5-16-18	Timoteo Relocation	Additional work space for TSP erection at Bryn Mawr Avenue and Interstate 10.
MPR #13	5-23-18	5-25-18	Project-wide	Addition of encased fire hose to O'Grady Court water source and use of 17 water sources to support construction activities
MPR #14	5-24-18	5-31-18	Timoteo/ Tennessee Relocations	Location shift of 3 TSPs and 1 vault location
MPR #15	5-31-18	6-4-18	Poultry MY	Paving of access road and trailer complex area
MPR #16	6-11-18	6-13-18	Banning Connection	Shift of horizontal directional drilling (HDD) alignment through Smith Creek and addition of walking paths along Coyote Trail
MPR #17	6-20-18	6-22-18	Dental Circuit/ Tennessee Relocation	Additional work space along Mission Road, Lugonia Avenue, and Nevada Street
MPR #18	8-3-18	8-7-18	Timoteo Relocation/ Beaumont #2 MY	Expansion of vault installation work area off Mountain View Avenue and new water source near Beaumont #2 MY
MPR #19	8-13-18	8-20-18	Segment 4	Additional work space requests at Sites 4N58, 4N59, and 4N64
MPR #20	8-21-18	8-27-18	Banning Connection	Use of unpaved access road west of Smith Creek

CPUC Compliance Incidents, Project Memoranda (PMs) and Non-Compliance Reports (NCRs)

Table 3 summarizes the CPUC Incidents, PMs, and NCRs issued to date.

Table 3
CPUC Incidents, Project Memoranda, and Non-Compliance Reports
(Updated 08/29/18)

Incident/ PM/NCR	Regulatory Requirement	Date Issued	Phase	Description
Level 1 Incident	Traffic Control Plan	01-30-18	Banning Connection	Traffic control was set up in such a way that diverted flow into active work area and deviated from approved Traffic Control Plan.
Level 1 Incident	MM WIL-1b	04-19-18	Timoteo/ Tennessee Relocation	A portable water tank was observed uncovered for four consecutive days.

Incident/ PM/NCR	Regulatory Requirement	Date Issued	Phase	Description
Level 1 Incident	MM VEG-1a	5-24-18	El Casco Substation	Equipment was staged outside of approved disturbance limits for at least 1-2 days.
Level 1 Incident	MM AQ-1a	8-15-18	Banning Connection	Fugitive dust observed from construction activities.
Level 1 Incident	MM WIL-1b	8-15-18	Banning Connection	Use of unapproved access road.
Level 1 Incident	MM WIL-1b	8-15-18	Banning Connection	Use of unapproved staging area.
Level 1 Incident	MPR #16	8-15-18	Banning Connection	SWRCB approved HDD Plan not provided prior to HDD activities.

PROJECT PHOTOGRAPHS



Photo 1 – Vegetation removal at Site 1X15-1X18 (photo courtesy of SCE) (August 23, 2018).



Photo 2 – Mowbray Tree Service trimming oak trees at Site 4N59 (August 21, 2018).



Photo 3 – Grading activities occurring at Site 4S60 (August 21, 2018).



Photo 4 – Reportable spill of hydraulic fluid along access road between 4N60 and 4N62 (photo courtesy of SCE) (August 23, 2018).

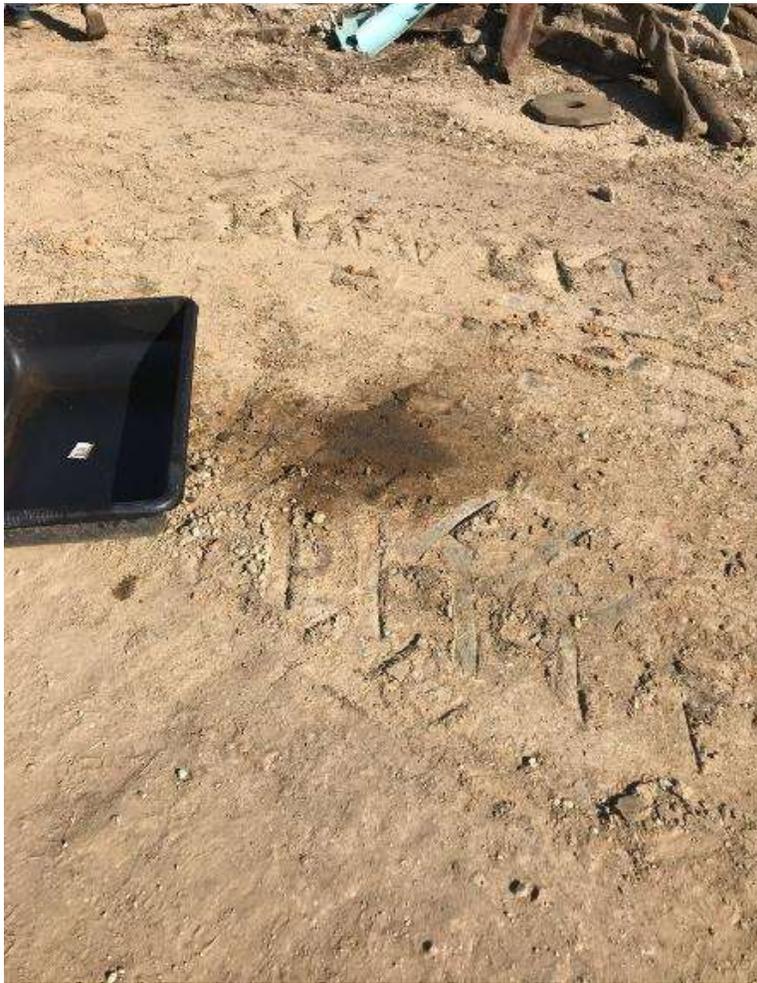


Photo 5 – Non-reportable spill of diesel fuel at Site 4560 (photo courtesy of SCE) (August 20, 2018).